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#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

Agger et al.

Appl. No.

: 10/563,731

Filed

: January 6, 2006

For

ADJUVANT COMBINATIONS

OF LIPOSOMES AND

MYCOBACTERIAL LIPIDS FOR

IMMUNIZATION

COMPOSITIONS AND

**VACCINES** 

Examiner

Unknown

Group Art Unit

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### REQUEST FOR CORRECTED PATENT PUBLICATION UNDER 37 C.F.R. 1.221(b)

#### Mail Stop PCT

Commissioner for Patents Mail Stop AF P.O. Box 1450 Alexandria, VA 22313-1450

#### Dear Sir:

Applicants hereby request correction of the title of Published US Patent Application No. 2006/0286128. There is a misspelled word ("MYCOBACTERIAIAL") in the title of the published application as shown on the enclosed, marked-up first page of the published application. This word should be –MYCOBACTERIAL--. Also enclosed herewith is the first page of the application as filed (PCT WO2005/004911) that shows the correct title. Thus, the proper title of the published application should be:

ADJUVANT COMBINATIONS OF LIPOSOMES AND MYCOBACTERIAL LIPIDS FOR IMMUNIZATION COMPOSITIONS AND VACCINES

Appl. No. : 10/563,731

Filed: January 6, 2006

Because this is an error on the part of the USPTO, and the request is being made within two months of the publication date of December 21, 2006, no fees are believed due. However, if any fees are due, please charge Deposit Account No. 11-1410.

By:

Respectfully submitted,

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Dated: February 21, 2007

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(54) ADJUVANT COMBINATIONS OF MYCOBACTERIAL LIPOSOMES AND MYCOBACTERIAL

LIPIDS FOR IMMUNIZATION COMPOSITIONS AND VACCINES

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ABSTRACT

The present invention provides a vaccine adjuvant consisting of a combination of a surfactant i.e. dimethyldioctadecylammonium-bromide/chloride (DDA) and a lipid extract from The present invention provides a vaccine adjuvant consisting of a combination of a surfactant i.e. dimethyld-

eoctadecylammonium-bromide/chloride (DDA) and a lipid extract from <The present invention provides a vaccine adjuvant consisting of a combination of a surfactant i.e. dimethyldeoctadecylammonium-bromide/chloride (DDA) and a lipid extract from Mycobacterium bovis. The present invention provides a vaccine adjuvant consisting of a combination of a surfactant i.e. dimethyldeoctadecylammoniumbromide/chloride (DDA) and a lipid extract from Mycobacterium bovis<The present invention provides a vaccine adjuvant consisting of a combination of a surfactant i.e. dimethyldeoctadecylammonium-bromide/chloride (DDA) and a lipid extract from Mycobacterium bovis BCG The present invention provides a vaccine adjuvant consisting of a combination of a surfactant i.e. dimethyldeoctadecylammonium-bromide/chloride (DDA) and a lipid extract from Mycobacterium bovis BCG <The present invention provides a vaccin adjuvant consisting of a combination of a surfactant dimethyldeoctadecylammonium-bromide/chloride (DDA) and a lipid extract from Mycobacterium bovis BCG. The present invention provides a vaccine adjuvant consisting of a combination of a surfactant i.e. dimethyldeoctadecylammonium-bromide/chloride (DDA) and a lipid extract from <i>Mycobacterium bovis BCG<i>. <The present invention provides a vaccine adjuvant consisting of a combination of a surfactant i.e. dimethyldeoctadecylammoniumbromide/chloride (DDA) and a lipid extract from <i>Mycobacterium bovis BCG<i>. The total lipid extract contains both apolar lipids, polar lipids, and lipids of intermediate polarity of which the apolar lipids were found to induce the most powerful immune responses. The total lipids may be extracted with chloroform/methanol and re-dissolved in water before the addition of surfactant. This preparation may be used to induce prominent cell-mediated immune responses in a mammal in order to combat patho-

gens, or as a treatment for cancer.

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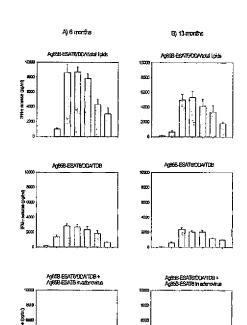
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[Continued on next page]

(54) Title: ADJUVANT COMBINATIONS OF LIPOSOMES AND MYCOBACTERIAL LIPIDS FOR IMMUNIZATION COMPOSITIONS AND VACCINES



(57) Abstract: The present invention provides a vaccine adjuvant consisting of a combination of a surfactant i.e. dimethyldeoctadecylammonium-bromide/chloride (DDA) and a lipid extract from Mycobacterium bovis BCG. The total lipid extract contains both apolar lipids, polar lipids, and lipids of intermediate polarity of which the apolar lipids were found to induce the most powerful immune responses. The total lipids may be extracted with chloroform/methanol and re-dissolved in water before the addition of surfactant. This preparation may be used to induce prominent cell-mediated immune responses in a mammal in order to combat pathogens, or as a treatment for cancer.